APRIL/MAY 2025

FCA11/FCS11/FDA11/FAI11/CCA11/CCS11 — PROGRAMMING IN C

Time : Three hours Maximum : 75 marks

SECTION A — (10 × 2 = 20 marks)

Answer ALL questions.

1. Write any two examples of Integer Constants.
2. State the rules for defining Variables in 'C'.
3. Write the syntax of getchar( ) function.
4. Define ? : operator.
5. What is a user defined function?
6. Define Dynamic Array.
7. How to declare a Pointer Variable?
8. What is called a Command Line Argument?
9. Define : Pseudo-Random Number.
10. Write the formula to find the Factorial of N numbers.

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SECTION B — (5 × 5 = 25 marks)

Answer ALL questions.

11. (a) Illustrate the Structure of 'C' program.

Or

(b) Exemplify different data types available in 'C'.

12. (a) Write a 'C' program to read and write a Character.

Or

(b) Explicate the looping process of FOR Statement.

13. (a) How two initialize two-dimensional Arrays? Explain with an example.

Or

(b) Write a 'C' program to a read a series of words from a terminal using Scanf Function.

14. (a) With suitable example, explain the concept of Union.

Or

(b) How to Open and Close a File? Discuss it with an example.

15. (a) Write a program to exchange the values of two variables.

Or

(b) Demonstrate the sine function Computation.

SECTION C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. Explain the various Relational and Logical Operators available in 'C' with suitable example.

17. Illustrate the different types If statement with appropriate example.

18. Expound the functions with no arguments and no return values.

19. Exemplify the significances of using Structure.

20. Write a 'C' program to find the Greatest Common Divisor of two Integers.

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